

L Number	Hits	Search Text	DB	Time stamp
1	9106	serine adj (protease or proteinase)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 10:53
2	9630	substrate near4 (Fluorescence or Fluorescent or fret)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 10:56
3	633	((serine adj (protease or proteinase)) and (substrate near4 (Fluorescence or Fluorescent or fret))) and (fluorescence adj energy and transfer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 10:56
4	0	((serine adj (protease or proteinase)) and (substrate near4 (Fluorescence or Fluorescent or fret))) and (fluorescence adj energy and transfer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 10:58
5	63	((serine adj (protease or proteinase)) and (substrate near4 (Fluorescence or Fluorescent or fret))) and (fluorescence adj resonance adj energy adj transfer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 11:01
6	54	(proteinase or protease) near5 ((fluorescence adj resonance adj energy adj transfer) or fret)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 11:02
7	6	((proteinase or protease) near5 ((fluorescence adj resonance adj energy adj transfer) or fret)) and ((serine adj (protease or proteinase)) and (substrate near4 (Fluorescence or Fluorescent or fret)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/11/18 11:02

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1653sxs

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the
present
NEWS 4 AUG 05 New pricing for EUROPATFULL and PCTFULL effective
August 1, 2003
NEWS 5 AUG 13 Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 6 AUG 18 Data available for download as a PDF in RDISCLOSURE
NEWS 7 AUG 18 Simultaneous left and right truncation added to PASCAL
NEWS 8 AUG 18 FROSTI and KOSMET enhanced with Simultaneous Left and Right
Truncation
NEWS 9 AUG 18 Simultaneous left and right truncation added to ANABSTR
NEWS 10 SEP 22 DIPPR file reloaded
NEWS 11 SEP 25 INPADOC: Legal Status data to be reloaded
NEWS 12 SEP 29 DISSABS now available on STN
NEWS 13 OCT 10 PCTFULL: Two new display fields added
NEWS 14 OCT 21 BIOSIS file reloaded and enhanced
NEWS 15 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced

NEWS EXPRESS NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

All use of STN is subject to the provisions of the STN Customer
agreement. Please note that this agreement limits use to scientific
research. Use for software development or design or implementation
of commercial gateways or other similar uses is prohibited and may
result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:12:04 ON 18 NOV 2003

=> File bioscience health medicine meetings pharmacology research toxicology
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'ADISCTI' ENTERED AT 11:12:25 ON 18 NOV 2003

COPYRIGHT (C) 2003 Adis Data Information BV

FILE 'ADISINSIGHT' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Adis Data Information BV

FILE 'ADISNEWS' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Adis Data Information BV

FILE 'AGRICOLA' ENTERED AT 11:12:25 ON 18 NOV 2003

FILE 'ANABSTR' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (c) 2003 THE ROYAL SOCIETY OF CHEMISTRY (RSC)

FILE 'AQUASCI' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT 2003 FAO (On behalf of the ASFA Advisory Board). All rights reserved.

FILE 'BIOBUSINESS' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Biological Abstracts, Inc. (BIOSIS)

FILE 'BIOCOMMERCE' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 BioCommerce Data Ltd. Richmond Surrey, United Kingdom. All rights reserved

FILE 'BIOSIS' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC.(R)

FILE 'BIOTECHABS' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION

FILE 'BIOTECHDS' ACCESS NOT AUTHORIZED

FILE 'BIOTECHNO' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'CABA' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 CAB INTERNATIONAL (CABI)

FILE 'CANCERLIT' ENTERED AT 11:12:25 ON 18 NOV 2003

FILE 'CAPLUS' ENTERED AT 11:12:25 ON 18 NOV 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CEABA-VTB' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (c) 2003 DECHEMA eV

FILE 'CEN' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 American Chemical Society (ACS)

FILE 'CIN' ENTERED AT 11:12:25 ON 18 NOV 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

FILE 'CONFSCI' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'CROPB' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'CROPU' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'DISSABS' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 ProQuest Information and Learning Company; All Rights Reserved.

FILE 'DDFB' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'DDFU' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'DGENE' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'DRUGB' ACCESS NOT AUTHORIZED

FILE 'DRUGLAUNCH' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 IMSWORLD Publications Ltd

FILE 'DRUGMONOG2' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 IMSWORLD Publications Ltd

FILE 'DRUGNL' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 IMSWORLD Publications Ltd

FILE 'DRUGU' ACCESS NOT AUTHORIZED

FILE 'DRUGUPDATES' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 IMSWORLD Publications Ltd

FILE 'EMBAL' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Elsevier Inc. All rights reserved.

FILE 'EMBASE' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Elsevier Inc. All rights reserved.

FILE 'ESBIOBASE' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Elsevier Science B.V., Amsterdam. All rights reserved.

FILE 'FEDRIP' ENTERED AT 11:12:25 ON 18 NOV 2003

FILE 'FOMAD' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Leatherhead Food Research Association

FILE 'FOREGE' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Leatherhead Food Research Association

FILE 'FROSTI' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Leatherhead Food Research Association

FILE 'FSTA' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 International Food Information Service

FILE 'GENBANK' ENTERED AT 11:12:25 ON 18 NOV 2003

FILE 'HEALSAFE' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'IFIPAT' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 IFI CLAIMS(R) Patent Services (IFI)

FILE 'JICST-EPLUS' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Japan Science and Technology Agency (JST)

FILE 'KOSMET' ENTERED AT 11:12:25 ON 18 NOV 2003

COPYRIGHT (C) 2003 International Federation of the Societies of Cosmetics Chemists

FILE 'LIFESCI' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'MEDICONF' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (c) 2003 FAIRBASE Datenbank GmbH, Hannover, Germany

FILE 'MEDLINE' ENTERED AT 11:12:25 ON 18 NOV 2003

FILE 'NIOSHTIC' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 U.S. Secretary of Commerce on Behalf of the U.S. Government

FILE 'NTIS' ENTERED AT 11:12:25 ON 18 NOV 2003
Compiled and distributed by the NTIS, U.S. Department of Commerce.
It contains copyrighted material.
All rights reserved. (2003)

FILE 'NUTRACEUT' ENTERED AT 11:12:25 ON 18 NOV 2003
Copyright 2003 (c) MARKETLETTER Publications Ltd. All rights reserved.

FILE 'OCEAN' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'PASCAL' ENTERED AT 11:12:25 ON 18 NOV 2003
Any reproduction or dissemination in part or in full,
by means of any process and on any support whatsoever
is prohibited without the prior written agreement of INIST-CNRS.
COPYRIGHT (C) 2003 INIST-CNRS. All rights reserved.

FILE 'PCTGEN' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 WIPO

FILE 'PHAR' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 PJB Publications Ltd. (PJB)

FILE 'PHARMAML' ENTERED AT 11:12:25 ON 18 NOV 2003
Copyright 2003 (c) MARKETLETTER Publications Ltd. All rights reserved.

FILE 'PHIC' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 PJB Publications Ltd. (PJB)

FILE 'PHIN' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 PJB Publications Ltd. (PJB)

FILE 'PROMT' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Gale Group. All rights reserved.

FILE 'RDISCLOSURE' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Kenneth Mason Publications Ltd.

FILE 'SCISEARCH' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT 2003 THOMSON ISI

FILE 'SYNTHLINE' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Prous Science

FILE 'TOXCENTER' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 ACS

FILE 'USPATFULL' ENTERED AT 11:12:25 ON 18 NOV 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 11:12:25 ON 18 NOV 2003
CA INDEXING COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'VETB' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'VETU' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'WPIDS' ACCESS NOT AUTHORIZED

FILE 'WPINDEX' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 THOMSON DERWENT

FILE 'CBNB' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (c) 2003 ELSEVIER ENGINEERING INFORMATION, INC.

FILE 'CHEMLIST' ENTERED AT 11:12:25 ON 18 NOV 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 American Chemical Society (ACS)

FILE 'CSNB' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (c) 2003 THE ROYAL SOCIETY OF CHEMISTRY (RSC)

FILE 'ENERGY' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (c) 2003 USDOE for the IEA-Energy Technology Data Exchange (ETDE)

FILE 'HSDB' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 NATIONAL LIBRARY OF MEDICINE

FILE 'INIS' ACCESS NOT AUTHORIZED

FILE 'IPA' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 American Society of Hospital Pharmacists (ASHP)

FILE 'MSDS-CCOHS' ENTERED AT 11:12:25 ON 18 NOV 2003
Copyright Notice: Permission to copy is not required for this file

FILE 'MSDS-OHS' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 MDL INFORMATION SYSTEMS (MDL)

FILE 'NAPRALERT' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Board of Trustees of the University of Illinois,
University of Illinois at Chicago.

FILE 'NLDB' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Gale Group. All rights reserved.

FILE 'POLLUAB' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'RTECS' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 U.S. Secretary of Commerce on Behalf of the U.S. Government (DOC)

FILE 'IMOBILITY' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Society of Automotive Engineers, Inc.

FILE 'COMPENDEX' ENTERED AT 11:12:25 ON 18 NOV 2003
Compendex Compilation and Indexing (C) 2003
Elsevier Engineering Information Inc (EEI). All rights reserved.
Compendex (R) is a registered Trademark of Elsevier Engineering Information Inc.

FILE 'COMPUAB' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'CONF' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (c) 2003 FIZ Karlsruhe

FILE 'ELCOM' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'IMSDRUGCONF' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 IMSWORLD Publications Ltd.

FILE 'PAPERCHEM2' ENTERED AT 11:12:25 ON 18 NOV 2003
Paperchem2 compilation and indexing (C) 2003
Elsevier Engineering Information Inc. All rights reserved.

FILE 'SOLIDSTATE' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Cambridge Scientific Abstracts (CSA)

FILE 'BABS' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (c) 2003 Beilstein-Institut zur Foerderung der Chemischen Wissenschaften
licensed to Beilstein GmbH and MDL Information Systems GmbH

FILE 'DIOGENES' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 FOI Services, Inc. (FOI)

FILE 'INVESTEXT' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Thomson Financial Services, Inc. (TFS)

FILE 'USAN' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 U.S. Pharmacopeial Convention, Inc. (USPC)

FILE 'DKF' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Dokumentation Kraftfahrwesen e.V., Germany

FILE 'FORIS' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Informationszentrum Sozialwissenschaften, Bonn (IZS)

FILE 'FORKAT' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Bundesministerium fuer Bildung,
Wissenschaft, Forschung und Technologie (bmb+f)

FILE 'RUSSCI' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Andrigal Ltd.

FILE 'SOLIS' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Informationszentrum Sozialwissenschaften, Bonn (IZS)

FILE 'UFORDAT' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Umweltbundesamt, D-14191 Berlin (UBA)

FILE 'AQUIRE' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 US Environmental Protection Agency (EPA)

FILE 'ULIDAT' ENTERED AT 11:12:25 ON 18 NOV 2003
COPYRIGHT (C) 2003 Umweltbundesamt, D-14191 Berlin (UBA)

=> s serine (w) (protease or proteinase)
33 FILES SEARCHED...
62 FILES SEARCHED...
92 FILES SEARCHED...

```

L1      144481 SERINE (W) (PROTEASE OR PROTEINASE)

=> s substrate (4a) (Fluorescence or Fluorescent or fret)
    24 FILES SEARCHED...
    49 FILES SEARCHED...
    74 FILES SEARCHED...
L2      21729 SUBSTRATE (4A) (FLUORESCENCE OR FLUORESCENT OR FRET)

=> s l1 and l2
    49 FILES SEARCHED...
L3      854 L1 AND L2

=> s (proteainase or protease) (4A) ((fluorescence adj resonance adj energy adj
transfer) or fret)
    15 FILES SEARCHED...
    31 FILES SEARCHED...
    48 FILES SEARCHED...
    61 FILES SEARCHED...
    70 FILES SEARCHED...
    87 FILES SEARCHED...
L4      89 (PROTEINASE OR PROTEASE) (4A) ((FLUORESCENCE ADJ RESONANCE ADJ
ENERGY ADJ TRANSFER) OR FRET)

=> s l3 and l4
<-----User Break----->

SEARCH ENDED BY USER

=> s (PROTEINASE OR PROTEASE) (4A) ((FLUORESCENCE RESONANCE ENERGY TRANSFER) OR
FRET)
    22 FILES SEARCHED...
    43 FILES SEARCHED...
    61 FILES SEARCHED...
    77 FILES SEARCHED...
L5      137 (PROTEINASE OR PROTEASE) (4A) ((FLUORESCENCE RESONANCE ENERGY
TRANSFER) OR FRET)

=> s l3 and l5
    30 FILES SEARCHED...
    52 FILES SEARCHED...
    85 FILES SEARCHED...
L6      6 L3 AND L5

=> d l6 1-6 bib ab

L6      ANSWER 1 OF 6  USPATFULL on STN
AN      2003:180876  USPATFULL
TI      Proteases
IN      Yang, Junming, San Jose, CA, UNITED STATES
        Baughn, Mariah R., San Leandro, CA, UNITED STATES
        Burford, Neil, Durham, CT, UNITED STATES
        Au-Young, Janice, Brisbane, CA, UNITED STATES
        Lu, Dyung Aina M., San Jose, CA, UNITED STATES
        Reddy, Roopa, Sunnyvale, CA, UNITED STATES
        Yue, Henry, Sunnyvale, CA, UNITED STATES
        Nguyen, Daniel B., San Jose, CA, UNITED STATES
        Tang, Y. Tom, San Jose, CA, UNITED STATES
        Yao, Monique G., Mountain View, CA, UNITED STATES
        Lal, Preeti, Santa Clara, CA, UNITED STATES
PI      US 2003124706      A1      20030703
AI      US 2002-168425      A1      20020621 (10)
        WO 2000-US34811      20001219
DT      Utility
FS      APPLICATION

```


LREP Incyte Genomics Inc, Legal Department, 3160 Porter Drive, Palo Alto, CA, 94304
CLMN Number of Claims: 28
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 6542

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides human proteases (PRTS) and polynucleotides which identify and encode PRTS. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating, or preventing disorders associated with aberrant expression of PRTS.

L6 ANSWER 2 OF 6 USPATFULL on STN
AN 2003:140474 USPATFULL
TI Device for detecting bacterial contamination and method of use
IN Sanders, Mitchell C., West Boylston, MA, UNITED STATES
PI US 2003096315 A1 20030522
AI US 2001-848781 A1 20010503 (9)
PRAI US 2000-201405P 20000503 (60)
DT Utility
FS APPLICATION
LREP HAMILTON, BROOK, SMITH & REYNOLDS, P.C., 530 VIRGINIA ROAD, P.O. BOX 9133, CONCORD, MA, 01742-9133
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 698

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A device and method for detecting the presence or absence of a prokaryotic microorganism are provided, comprising the steps of identifying a protein, such as a microbial-specific protease that characterizes the presence of a specific prokaryotic microbe and thereby provides a marker for that microbe; detecting the protease that is a marker for the presence of a specific prokaryotic microbe by cleaving a substrate when the protease is present; and signaling the presence of that protease when cleavage has occurred. More specifically, the method comprises identifying at least one outer membrane protein or a secreted protein that is unique to a particular microbial pathogen such as for example *Listeria monocytogenes* and that is substrate specific.

L6 ANSWER 3 OF 6 USPATFULL on STN
AN 2003:113091 USPATFULL
TI Production of cultured human mast cells and basophils for high throughput small molecule drug discovery
IN Rossi, Alexander B., San Francisco, CA, UNITED STATES
PI US 2003077824 A1 20030424
AI US 2001-53355 A1 20011108 (10)
PRAI US 2001-316723P 20010831 (60)
DT Utility
FS APPLICATION
LREP Robin M. Silva, Esq., DORSEY & WHITNEY LLP, Suite3400, Four Embarcadero Center, San Francisco, CA, 94111-4187
CLMN Number of Claims: 36
ECL Exemplary Claim: 1
DRWN 8 Drawing Page(s)
LN.CNT 2879

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided are methods for producing and screening proliferated populations of CD34-negative progenitor cells, mucosal mast cells, connective tissue-type mast cells and basophil cells. The methods generate uniform proliferated populations of cells. The proliferated populations contain a uniform population of a size suitable for use in high throughput screening methods, for example, screening for agents

that alter exocytosis. The invention includes screening the proliferated populations with at least one candidate bioactive agent, and evaluating the cells to detect a cell with an altered phenotype. The invention also includes isolating a candidate bioactive agent that causes the altered phenotype. Additionally, cells formed according to the described methods are also encompassed by the invention.

L6 ANSWER 4 OF 6 USPATFULL on STN
AN 2002:314644 USPATFULL
TI ASSAYS FOR APOTOSIS MODULATORS
IN ELLIOTT, KATHRYN J., SAN DIEGO, CA, UNITED STATES
KOUNNAS, MARIA Z., SAN DIEGO, CA, UNITED STATES
DYER, REBECCA J., SAN DIEGO, CA, UNITED STATES
MUNOZ, BENITO, SAN DIEGO, CA, UNITED STATES
WAGNER, STEVEN L., SAN DIEGO, CA, UNITED STATES
PI US 2002177120 A1 20021128
AI US 1999-326472 A1 19990604 (9)
DT Utility
FS APPLICATION
LREP STEPHANIE L. SEIDMAN, HELLER EHRMAN WHITE & MCAULIFFE, 4250 EXECUTIVE
SQUARE, 7TH FLOOR, LA JOLLA, CA, 920379103
CLMN Number of Claims: 59
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 2250

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Recombinant cells expressing fluorescence resonance energy transfer reporter polypeptides and cell-based assays for apoptosis; screening assays for identifying and selecting candidate compounds modulating apoptosis.

L6 ANSWER 5 OF 6 USPATFULL on STN
AN 2002:206141 USPATFULL
TI Fluorescent assay for proteolysis
IN Benkovic, Stephen J., State College, PA, UNITED STATES
Scott, Charles P., Narberth, PA, UNITED STATES
PI US 2002110834 A1 20020815
AI US 2002-71468 A1 20020208 (10)
RLI Continuation of Ser. No. US 2000-713614, filed on 15 Nov 2000, GRANTED,
Pat. No. US 6346924 Continuation of Ser. No. US 1997-817445, filed on 30
Apr 1997, GRANTED, Pat. No. US 6198458
PRAI NZ 1994-264864 19941104
NZ 1995-272778 19950815
WO 1995-NZ106 19951016
US 2001-267440P 20010208 (60)
DT Utility
FS APPLICATION
LREP MCKEE, VOORHEES & SEASE, P.L.C., ATTN: PENNSYLVANIA STATE UNIVERSITY,
801 GRAND AVENUE, SUITE 3200, DES MOINES, IA, 50309-2721
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 5 Drawing Page(s)
LN.CNT 416

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention includes methods for assaying protease activity. According to one aspect of the present invention provides a nucleic acid construct having a sequence encoding an amino terminal portion of a fluorescent reporter fused to a sequence encoding a substrate of a protease followed by a sequence encoding a carboxyl terminal portion of a fluorescent reporter protein. The recombinant **fluorescent substrate** is then expressed in the presence of a protease. A change in quenching of **fluorescence** in the recombinant **substrate** is then detected. The change is an indication of protease activity.

L6 ANSWER 6 OF 6 WPINDEX COPYRIGHT 2003 THOMSON DERWENT on STN
AN 2001-265889 [27] WPINDEX
DNC C2001-080448
TI New **serine protease** termed protease T, useful for
treating and preventing skin flaking or imbalance of desquamation.
DC B04 D16
IN ANDRADE-GORDON, P; DARROW, A L; QI, J; ANDRADE-GRODON, P; DARROW, A
PA (ORTH) ORTHO-MCNEIL PHARM INC; (ANDR-I) ANDRADE-GRODON P; (DARR-I) DARROW
A; (QIJJ-I) QI J
CYC 95
PI WO 2001016293 A2 20010308 (200127)* EN 83p
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ
NL OA PT SD SE SL SZ TZ UG ZW
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM
DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE
SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
AU 2000069476 A 20010326 (200137)
EP 1244780 A2 20021002 (200265) EN
R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT
RO SE SI
US 6458564 B1 20021001 (200268)
US 2002146805 A1 20021010 (200269)
US 2002168754 A1 20021114 (200277)
ADT WO 2001016293 A2 WO 2000-US23823 20000830; AU 2000069476 A AU 2000-69476
20000830; EP 1244780 A2 EP 2000-957926 20000830, WO 2000-US23823 20000830;
US 6458564 B1 US 1999-386653 19990831; US 2002146805 A1 Div ex US
1999-386653 19990831, US 2002-40655 20020107; US 2002168754 A1 Div ex US
1999-386653 19990831, US 2002-41006 20020107
FDT AU 2000069476 A Based on WO 2001016293; EP 1244780 A2 Based on WO
2001016293
PRAI US 1999-386653 19990831; US 2002-40655 20020107; US 2002-41006
20020107
AB WO 200116293 A UPAB: 20010518
NOVELTY - A protein (I) that functions as protease T protein, is new.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:
(1) an isolated and purified nucleic acid molecule (II) encoding
protease T, or its functional derivatives;
(2) an expression vector (III), containing a nucleic acid molecule
encoding (I);
(3) a recombinant host cell (IV) containing (III);
(4) a monospecific antibody (Ab) immunologically reactive with
protease T protein;
(5) expressing protease T in a recombinant host;
(6) identifying compounds (C) that modulate protease T protein
activity, by combining a modulator of protease T protein activity,
protease T protein and a labeled substrate, and measuring a change in the
labeled substrate;
(7) a kit comprising a nucleic acid sequence of 1110 or 1130
nucleotides fully defined in the specification, or their fragments;
(8) a kit comprising a **serine protease** T protein
having a sequence of 290 or 315 amino acids fully defined in the
specification, or their fragments or derivatives; and
(9) a pharmaceutical composition (PC) or a non-pharmaceutical
composition (NPC), comprising (IV).
ACTIVITY - Dermatological.
MECHANISM OF ACTION - T **serine protease**
agonist/antagonist; (claimed). No supporting data given.
USE - (C) is useful for treating a condition mediated by protease T.
PC is useful for treating an imbalance of desquamation, by topical
application of PC. PC is useful as a topical skin care composition. NPC is
useful as a laundry detergent, shampoo, hard surface cleaning

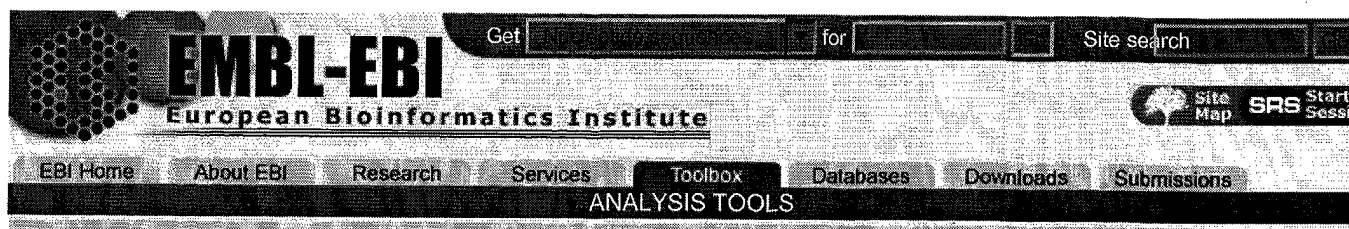
compositions, and dish care cleaning composition (claimed). Protease T protein is useful for treating and preventing skin flaking. NPC is also useful as skin care and hair care compositions.

ADVANTAGE - Protease T is less immunogenic to sensitive individuals and it provides efficient proteolytic activity in a non-natural environment.

Dwg.0/6

=>

<-----User Break----->



EBI Dbfetch

1449 of 8/19/03

ID AF179224 standard; mRNA; HUM; 2081 BP.
 XX
 AC AF179224;
 XX
 SV AF179224.1
 XX
 DT 13-JUN-2000 (Rel. 64, Created)
 DT 13-JUN-2000 (Rel. 64, Last updated, Version 1)
 XX
 DE Homo sapiens transmembrane serine protease 3 (TMPRSS3) mRNA, complete cds.
 XX
 KW .
 XX
 OS Homo sapiens (human)
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
 OC Eutheria; Primates; Catarrhini; Hominidae; Homo.
 XX
 RN [1]
 RP 1-2081
 RX MEDLINE; [20283276](#).
 RX PUBMED; [10825129](#).
 RA Wallrapp C., Hahnel S., Muller-Pillasch F., Burghardt B., Iwamura T.,
 RA Ruthenburger M., Lerch M.M., Adler G., Gress T.M.;
 RT "A novel transmembrane serine protease (TMPRSS3) overexpressed in
 RT pancreatic cancer";
 RL Cancer Res. 60(10):2602-2606(2000).
 XX
 RN [2]
 RP 1-2081
 RA Wallrapp C., Gress T.M.;
 RT ;
 RL Submitted (20-AUG-1999) to the EMBL/GenBank/DDBJ databases.
 RL Internal Medicine I, University of Ulm, Robert-Koch-Street 8, Ulm,
 RL Baden-Wuerttemberg 89081, Germany
 XX
 DR GOA; [Q9NRS4](#).
 DR SWISS-PROT; [Q9NRS4](#); TMS4_HUMAN.
 XX
 FH Key Location/Qualifiers
 FH
 FT source 1..2081
 FT /chromosome="11"
 FT /db_xref="taxon:9606"
 FT /mol_type="mRNA"
 FT /organism="Homo sapiens"
 FT /map="11q23.3"
 FT /tissue_type="pancreatic carcinoma"
 FT misc feature 215..307
 FT /note="Region: cytoplasmic domain"
 FT /gene="TMPRSS3"
 FT CDS 215..1528

```

FT      /codon_start=1
FT      /db_xref="GOA:Q9NRS4"
FT      /db_xref="SWISS-PROT:Q9NRS4"
FT      /gene="TMPRSS3"
FT      /product="transmembrane serine protease 3"
FT      /protein_id="AAF74526.1"
FT      /translation="MLQDPDSQPLNSLDVKPLRKPRIPMETFRKVGIPIIIALSLAS
FT      IIVVVLIKVILDKYYFLCGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSFPEGPAAVAV
FT      RLSKDRSTLQVLDSATGNWFSACFDNFTEALAEACRQMGYSSKPTFRAVEIGPDQDL
FT      VVEITENSQELMRNSSGPCLSGSLVSLHCLACGKSLKTPRVVGEEASVDSWPWQVSI
FT      QYDKQHVCSSILDPHWLTAAHCFRKHTDVFNWKVRAGSDKLGSFPSLAVAKIIIEF
FT      NPMYPKDNDIALMKLQFPLTFSGTVRPICLPFFDEELTPATPLWIIWGFTKQNGGKMS
FT      DILLQASVQVIDSTRCNADDAAYQGEVTEKMMCAIPEGGVDTCCQGDSSGGPLMYQSDQWH
FT      VVGIVSWGYGCGGPSTPGVYTKVSAYLNWIYNVWKAEL"
FT      misc feature      308..373
FT      /note="Region: transmembrane domain"
FT      /gene="TMPRSS3"
FT      misc feature      374..1525
FT      /note="Region: extracellular domain"
FT      /gene="TMPRSS3"
FT      misc feature      602..604
FT      /note="glycosylation site"
FT      /gene="TMPRSS3"
FT      misc feature      746..748
FT      /note="glycosylation site"
FT      /gene="TMPRSS3"
FT      misc feature      order(800..802,1142..1144)
FT      /note="disulfide bond"
FT      misc feature      order(902..904,950..952)
FT      /note="disulfide bond"
FT      misc feature      947..949
FT      /note="active site"
FT      /gene="TMPRSS3"
FT      misc feature      1082..1084
FT      /note="active site"
FT      /gene="TMPRSS3"
FT      misc feature      order(1280..1282,1328..1330)
FT      /note="disulfide bond"
FT      misc feature      1373..1375
FT      /note="active site"
FT      /gene="TMPRSS3"
XX
SQ

```

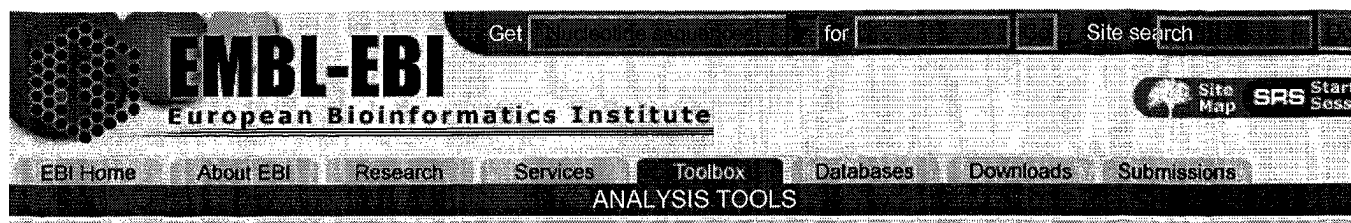
```

Sequence 2081 BP; 484 A; 597 C; 576 G; 424 T; 0 other;
acacagagag aggcagcagc ttgctcagcg gacaaggatg ctgggcgtga gggaccaagg      60
cctgccctgc actcgggcct cctccagcca gtgctgacca gggacttctg acctgctggc      120
cagccaggac ctgtgtgggg aggcctctct gctgccttgg ggtgacaatc tcagctccag      180
gctacagggg gaccgggagg atcacagagc cagcatgtta caggatcctg acagtatcca      240
acctctgaac agcctcgatg tcaaaccctt gcgcaaacc cgtatcccca tggagacctt      300
cagaaagggtg gggatcccca tcatcatagc actactgagc ctggcgagta tcatcattgt      360
ggttgtctctc atcaagggtga ttctggataa atactacttc ctctgcgggc agcctctcca      420
cttcatcccg aggaagcagc tgtgtgacgg agagctggac tgtcccttgg gggaggacga      480
ggagcactgt gtcaagagct tccccgaagg gcctgcagtg gcagtcgcc tctccaagga      540
ccgatccaca ctgcaggtgc tggactcggc cacagggaac tggttctctg cctgtttcga      600
caacttcaca gaagctctcg ctgagacagc ctgtaggcag atgggctaca gcagcaaacc      660
cactttcaga gctgtggaga ttggcccaga ccaggatctg gatgttgttg aaatcacaga      720
aaacagccag gagcttcgca tgcggaactc aagtgggccc tgtctctcag gctccctggg      780
ctccctgcac tgtcttgctt gtgggaagag cctgaagacc ccccggtgtg tgggtgggga      840
ggaggcctct gtggattctt ggccttggca ggtcagcatc cagtacgaca aacagcacgt      900
ctgtggaggg agcatcctgg acccccactg ggtcctcacg gcagcccact gcttcaggaa      960
acataccgat gtgttcaact ggaagggtgcg ggcagggtca gacaaactgg gcagcttccc     1020
atccctggct gtggccaaga tcatcatcat tgaattcaac cccatgtacc ccaaagacaa     1080
tgacatcgcc ctcatgaagc tgcagttccc actcactttc tcaggcacag tcaggcccat     1140
ctgctcgccc ttctttgatg aggagctcac tccagccacc ccactctgga tcattggatg     1200
gggcttttacg aagcagaatg gagggaagat gctgcacata ctgctgcagg cgtcagttca     1260
ggtcattgac agcacacggt gcaatgcaga cgatgcgtac cagggggaag tcaccgagaa     1320

```

//

 [View Printer-friendly version of this page.](#)



EBI Dbfetch

```

ID   AF216312    standard; mRNA; HUM; 2079 BP.
XX
AC   AF216312;
XX
SV   AF216312.1
XX
DT   07-FEB-2000 (Rel. 62, Created)
DT   07-FEB-2000 (Rel. 62, Last updated, Version 1)
XX
DE   Homo sapiens type II membrane serine protease mRNA, complete cds.
XX
KW   .
XX
OS   Homo sapiens (human)
OC   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia;
OC   Eutheria; Primates; Catarrhini; Hominidae; Homo.
XX
RN   [1]
RP   1-2079
RA   Smeekens S.S., Lorimer D.D., Wang E., Hou J., Linnevers C.;
RT   "MT-SP2, a novel type II membrane serine protease expressed in trachea,
RT   colon, and small intestine: identification, cloning, and chromosomal
RT   localization";
RL   Unpublished.
XX
RN   [2]
RP   1-2079
RA   Smeekens S.S., Lorimer D.D., Wang E., Hou J., Linnevers C.;
RT   ;
RL   Submitted (14-DEC-1999) to the EMBL/GenBank/DDBJ databases.
RL   Axys Pharmaceuticals, Inc, 180 Kimball Way, South San Francisco, CA 94080,
RL   USA
XX
DR   GOA; Q9NRS4.
DR   SWISS-PROT; Q9NRS4; TMS4_HUMAN.
XX
FH   Key          Location/Qualifiers
FH
FT   source          1..2079
FT                       /db_xref="taxon:9606"
FT                       /mol_type="mRNA"
FT                       /organism="Homo sapiens"
FT   CDS              251..1522
FT                       /codon_start=1
FT                       /db_xref="GOA:Q9NRS4"
FT                       /db_xref="SWISS-PROT:Q9NRS4"
FT                       /note="MT-SP2"
FT                       /product="type II membrane serine protease"
FT                       /protein_id="AAF31436.1"
FT                       /translation="MSNPCANPVSPWRPSESVGIPIIIALLSLASIIIVVVLIKVILDK
FT                       YYFLCGQPLHFIPRKQLCDGELDCPLGEDEEHCVKSFPEGPAVAVRLSKDRSTLQVLDS

```


FT ATGNWFSACFDNFTEALAEACRQMGYSSKPTFRAVEIGPDQDLDVVEITENSQELMR
 FT NSSGPCLSGSLVSLHCLACGKSLKTPRVVGGEEASVDSWPWQVSIQYDKQHVCGGSILD
 FT PHWVLTAAHCFRKHDTDFNWKVRAGSDKLSFPSLAVAKIIIEFNPMYPKDNDIALMK
 FT LQFPLTFSGTVRPICLPFFDEELTPATPLWIIGWGFQKQNGKMSDILLQASVQVIDST
 FT RCNADDAYQGEVTEKMMCAGIPEGGVDTCQGDSSGGLPMYQSDQWHVVGIVSWGYGCGGP
 FT STPGVYTKVSAYLNWIYNVWKAEL"

XX

SQ

Sequence 2079 BP; 489 A; 594 C; 575 G; 421 T; 0 other;
 gagaggcagc agcttggttca gcggaacaagg atgctgggagc tgaggagacca aggcctgccc 60
 tgcactcggg cctcctccag ccagtgtctga ccaggagactt ctgacctgtc ggccagccag 120
 gacctgtgtg gggaggccct cctgctgcct tgggggtgaca atctcagctc caggctacag 180
 ggagaccggg aggatcacag agccagcatg gtacaggatc ctgacagtga tcaacctctg 240
 aacagcctcg atgtcaaaacc cctgcgcaaa ccccgatatcc ccatggagac cttcagaaaag 300
 tgtggggatc cccatcatca tagcactact gagcctggcg agtatcatca ttgtgggtgt 360
 cctcatcaag gtgattctgg ataaatacta cttcctctgc gggcagcctc tccacttcat 420
 cccgaggaag cagctgtgtg acggagagct ggactgtccc ttgggggagg acgaggagca 480
 ctgtgtcaag agcttccccg aagggcctgc agtggcagtc cgctctcca aggaccgatc 540
 cacactgcag gtgctggact cggccacagg gaactggttc tctgcctgtt tcgacaactt 600
 cacagaagct ctgcctgaga cagcctgtag gcagatgggc tacagcagca aaccacttt 660
 cagagctgtg gagattggcc cagaccagga tctggatggt gttgaaatca cagaaaacag 720
 ccaggagctt cgcattgcgga actcaagtgg gccctgtctc tcaggctccc tggctcctct 780
 gcactgtctt gcctgtggga agagcctgaa gacccccctg gtggtgggtg gggaggaggc 840
 ctctgtggat tcttggcctt ggcaggctcag catccagtac gacaaacagc acgtctgtgg 900
 agggagcatc ctggaccccc actgggtcct caccggcagcc cactgcttca ggaaacatac 960
 cgatgtgttc aactggaagg tgcgggcagg ctcagacaaa ctgggcagct tcccatccct 1020
 ggctgtggcc aagatcatca tcattgaatt caaccccatg taccacaaag acaatgacat 1080
 cgccctcatg aagctgcagt tccactcac tttctcaggc acagtcaggc ccactgtct 1140
 gcccttcttt gatgaggagc tcaactccagc caccctcctc tggatcattg gatggggctt 1200
 tacgaagcag aatggaggga agatgtctga catactgctg caggcgtcag tccaggctcat 1260
 tgacagcaca cgggtgcaatg cagacgatgc gtaccagggg gaagtcaccg agaagatgat 1320
 gtgtgcaggc atcccgaag ggggtgtgga cacctgccag ggtgacagt gtggggccct 1380
 gatgtaccaa tctgaccagt ggcattgtgt gggcatcggt agctggggct atggctgcgg 1440
 gggcccgagc accccaggag tatacaccaa ggtctcagcc tatctcaact ggatctacaa 1500
 tgtctggaag gctgagctgt aatgctgctg cccctttgca gtgctgggag ccgcttcctt 1560
 cctgccctgc ccacctgggg atcccccaa gtcagacaca gagcaagagt ccccttgggt 1620
 acaccctct gccacagcc tcagcatttc ttggagcagc aaagggcctc aattcctgta 1680
 agagaccctc gcagcccaga ggcgcccaga ggaagtcagc agccctagct cggccacact 1740
 tgggtgctcc agcatcccag ggagagacac agccactga acaaggctc aggggtattg 1800
 ctaagccaag aaggaaactt cccacactac tgaatggaag caggctgtct tgtaaaagcc 1860
 cagatcactg tgggctggag aggagaagga aagggtctgc gccagccctg tccgtcttca 1920
 cccatcccca agcctactag agcaagaaac cagttgtaat ataaaatgca ctgccctact 1980
 gttgggtatga ctaccgttac ctactgttgt cattgttatt acagctatgg ccactattat 2040
 taaagagctg tgtaacatca aaaaaaaaaa aaaaaaaaaa 2079

//

Please contact support@ebi.ac.uk with any problems or suggestions regarding this site.

 [View Printer-friendly version of this page.](#)